

Table 1: Rules for Padding Fields in T-MSIS Files

Data Type	Composition of the Value		Field Population Rules							
			In Fixed-Length Files				In Pipe-Delimited Files			
			Rules	Pic	Example Value	Field Contents	Rules	Pic	Example Value	Field Contents
Numeric	Whole Number	Positive Number	<ul style="list-style-type: none"> <li>Left-pad with zeros to fill entire field.</li> <li>Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>Place the corresponding zoned decimal character in the last position of the data element field.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD.</li> </ul>	S9(5)	12	0001B	<ul style="list-style-type: none"> <li>Right-justify and enter all significant digits. (<i>No zero-padding is necessary.</i>)</li> <li>Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>No positive/negative sign needed.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD for fixed-length files.</li> </ul>	S9(5)	12	12
Numeric	Whole Number	Negative Number	<ul style="list-style-type: none"> <li>Left-pad with zeros to fill entire field.</li> <li>Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>Place the corresponding zoned decimal character in the last position of the data element field.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD.</li> </ul>	S9(5)	-12	0001K	<ul style="list-style-type: none"> <li>Right-justify and enter all significant digits. (<i>No zero-padding is necessary.</i>)</li> <li>Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>Negative sign in left-most byte.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD for fixed-length files.</li> </ul>	S9(5)	-12	-12
Numeric	Number with Decimal Place	Positive Number	<ul style="list-style-type: none"> <li>Left-pad with zeros to fill entire field.</li> <li>Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>Place the corresponding zoned decimal character in the last position of the data element field.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD.</li> </ul>	S9(5)V999	12.357	0001235G	<ul style="list-style-type: none"> <li>Right-justify and enter all significant digits. (<i>No zero-padding is necessary.</i>)</li> <li>Do not pad with spaces.</li> <li>Decimal point must be explicitly stated.</li> <li>No positive/ negative sign is needed.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD for fixed-length files.</li> </ul>	S9(5)V999	12.357	12.357

Data Type	Composition of the Value		Field Population Rules							
			In Fixed-Length Files				In Pipe-Delimited Files			
			Rules	Pic	Example Value	Field Contents	Rules	Pic	Example Value	Field Contents
Numeric	Number with Decimal Place	Negative Number	<ul style="list-style-type: none"> <li>Left-pad with zeros to fill entire field. Do not pad with spaces.</li> <li>Decimal point is implied.</li> <li>Place the corresponding zoned decimal character in the last position of the data element field.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD.</li> </ul>	S9(5)V999	-12.357	0001235P	<ul style="list-style-type: none"> <li>Right-justify and enter all significant digits. (<i>No zero-padding is necessary.</i>)</li> <li>Do not pad with spaces.</li> <li>Decimal point must be explicitly stated. Negative sign in left-most byte.</li> <li>Do not enter dollar signs (\$).</li> <li>Do not exceed the maximum length of the field as specified in the DD for fixed-length files.</li> </ul>	S9(5)V999	-12.357	-12.357
Alpha-numeric	Field Populated with Digits Only	Field Populated with Digits Only	<ul style="list-style-type: none"> <li>Include leading zeros shown in the list of valid values (<i>if applicable</i>).</li> <li>Right-pad with spaces to fill the entire field. (<i>In the example, the spaces are represented by underscores.</i>)</li> </ul>	X(5)	003	003__	<ul style="list-style-type: none"> <li>Include leading zeros shown in the list of valid values (<i>if applicable</i>).</li> <li>Do not pad with spaces.</li> </ul>	X(5)	003	003
Alpha-numeric	Field Populated with Letters, or Combination of Letters and Digits	Field Populated with Letters, or Combination of Letters and Digits	<ul style="list-style-type: none"> <li>Include leading zeros shown in the list of valid values (<i>if applicable</i>).</li> <li>Right-pad with spaces to fill the entire field. (<i>In the example, the spaces are represented by underscores.</i>)</li> </ul>	X(14)	123 Main St.	123 Main St.__	<ul style="list-style-type: none"> <li>Include leading zeros shown in the list of valid values (<i>if applicable</i>).</li> <li>Do not pad with spaces.</li> </ul>	X(14)	123 Main St.	123 Main St.